



US005898831A

**United States Patent** [19]  
**Hall et al.**

[11] **Patent Number:** **5,898,831**  
 [45] **Date of Patent:** **Apr. 27, 1999**

[54] **INTERACTIVE APPLIANCE SECURITY SYSTEM AND METHOD**

[75] Inventors: **Phillip Earl Hall**, Scottsdale; **Jeffrey Martin Harris**; **Ernest Earl Woodward**, both of Chandler; **Ronald W. Borgstahl**, Phoenix, all of Ariz.

[73] Assignee: **Motorola, Inc.**, Schaumburg, Ill.

[21] Appl. No.: **08/766,652**

[22] Filed: **Dec. 16, 1996**

[51] Int. Cl.<sup>6</sup> ..... **G06F 11/00**

[52] U.S. Cl. .... **395/187.01**

[58] Field of Search ..... **395/188.01, 187.01, 395/186, 185.08, 200.59; 380/23, 25**

[56] **References Cited**

#### U.S. PATENT DOCUMENTS

4,097,696	6/1978	Nyhuis et al. ....	179/2
4,512,033	4/1985	Schrock .....	455/2
4,648,123	3/1987	Schrock .....	455/67
5,221,838	6/1993	Gutman et al. ....	235/379
5,428,821	6/1995	Krisna et al. ....	455/54.1
5,491,791	2/1996	Glowny et al. ....	395/183.16

5,550,984	8/1996	Gelb .....	395/187.01
5,623,601	4/1997	Vu .....	395/187.01
5,629,981	5/1997	Nerlikar .....	380/25
5,694,335	12/1997	Hollenberg .....	364/514

*Primary Examiner*—Robert W. Beausoliel, Jr.

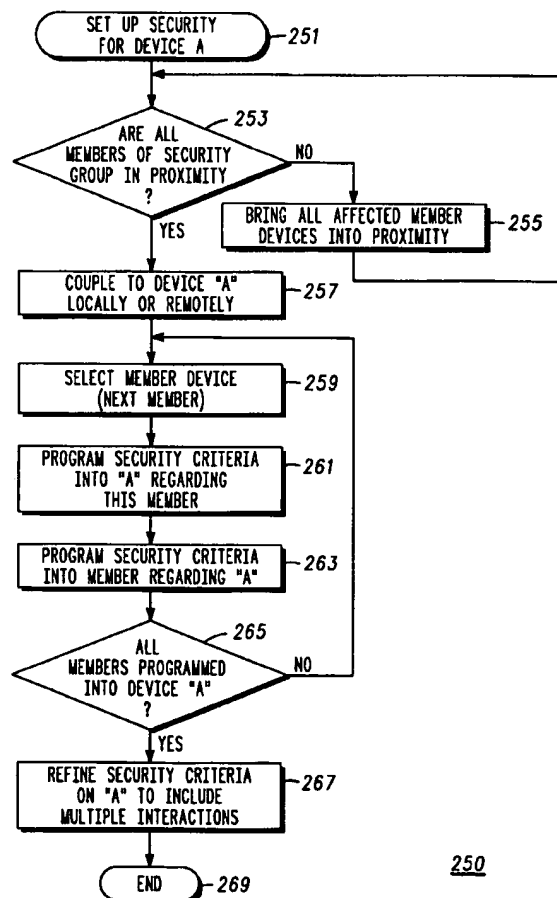
*Assistant Examiner*—Scott T. Baderman

*Attorney, Agent, or Firm*—Michael D. Bingham; Lanny L. Parker

[57] **ABSTRACT**

In a personal area network, a method for including an appliance (121). The method includes steps of a) determining, by the personal area network (120), that the appliance (121) should be included in the personal area network (120); b) determining (253) that all individual members (121) of the personal area network (120) are in data communication with the personal area network (120); and c) when all individual members (121) of the personal area network (120) are in data communication with the personal area network (120), performing substeps of: i) selecting (259) a selected member (121) of the personal area network (120); ii) programming (261) security criteria relevant to the selected member (121) into the appliance (121); and iii) programming (263) security criteria relevant to the appliance (121) into the selected member (121).

**25 Claims, 12 Drawing Sheets**



250